

Exhibit P



City of Madison Site Plan Verification

PROJECT: LNDSPR-2018-00018

Address: 1000 Highland AVE

Current Revision #: 0

Submitted by: University of Wisconsin- Madison

Contact: Gary Brown
(608) 263-3023
gary.brown@wisc.edu

Project Type: Permitted Use Site Plan Review

Description: Replacement of surfacing and fencing, adding two additional courts, seating, lighting, landscaping, and sound system

Status: Approved

Revision History: 0

Review	Status	Reviewer	Reviewed
Engineering Mapping	Approved	Lori Zenchenko	Apr 9 2018
Engineering Review Main Office	Approved	Timothy Troester	Apr 15 2018
Fire Review	Approved	William Sullivan	Mar 9 2018
Lighting Review	Approved	Harry Sulzer	Mar 14 2018
Zoning Review	Approved	Patrick Anderson	Apr 9 2018

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Submit PDFs of the final plans for Engineering records. Files can be emailed to Tim Troester at ttroester@cityofmadison.com or submitted on CD to City Engineering.

Supplement Accepted**Comment Date:** 03/15/2018

The Applicant shall submit, prior to plan sign-off, a digital CAD file (single file) to the Engineering Division with any private storm and sanitary sewer utilities. The digital CAD file shall be to scale and represent final construction. The CAD file shall be in a designated coordinate system (preferably Dane County WISCRS, US Ft). The single CAD file submittal can be either AutoCAD (dwg) Version 2013 or older, MicroStation (dgn) V8i Select Series 3 or older, or Universal (dxf) format and shall contain the only the following data, each on a separate layer name/level number:

- a) Building Footprints
- b) Internal Walkway Areas
- c) Internal Site Parking Areas
- d) Other Miscellaneous Impervious Areas (i.e. gravel, crushed stone, bituminous/asphalt, concrete, etc.)
- e) Right-of-Way lines (public and private)
- f) Plat name and lot lines (metes & bounds parcel lines if unplatted)
- g) Platted lot numbers (noted "unplatted lands" if not platted)
- h) Lot/Plat property dimensions
- i) Street names
- j) Private on-site sanitary sewer utilities (including all connections to public sanitary)
- k) Private on-site storm sewer utilities (including all connections to public storm)

All other levels (contours, elevations, etc) are not to be included with this file submittal.

NOTE: Email CAD file transmissions are preferred to: ttroester@cityofmadison.com . The party responsible for the CAD file email transmission shall include the project site address in the email subject line. Any changes or additions to the location of the building, private utilities, sidewalks, parking/pavement during construction will require a new CAD file transmittal to City by applicant.

ENGINEERING MAPPING**Supplement Accepted****Comment Date:**

PROJECT: LNDSPR-2018-00018**Address:** 1000 Highland AVE**Current Revision #:** 0**Submitted by:** University of Wisconsin- Madison**Contact:** Gary Brown
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CAD received 4/9/2018.

The Applicant shall submit, prior to plan sign-off, a digital CAD file (single file) to the Engineering Program Specialist in the Engineering Mapping Division (Lori Zenchenko). The digital CAD file shall be to scale and represent final construction. The CAD file shall be in a designated coordinate system (preferably Dane County WISCRS, US Ft). The single CAD file submittal can be either AutoCAD (dwg) Version 2013 or older, MicroStation (dgn) V8i Select Series 3 or older, or Universal (dxf) format and shall contain the only the following data, each on a separate layer name/level number:

- a) Building Footprints
- b) Internal Walkway Areas
- c) Internal Site Parking Areas
- d) Other Miscellaneous Impervious Areas (i.e. gravel, crushed stone, bituminous/asphalt, concrete, etc.)
- e) Right-of-Way lines (public and private)
- f) Lot lines or parcel lines if unplatted
- g) Lot numbers or the words unplatted
- h) Lot/Plat dimensions
- i) Street names

All other levels (contours, setbacks, elevations, etc) are not to be included with this file submittal.

NOTE: Email file transmissions preferred lzenchenko@cityofmadison.com. Include the site address in the subject line of this transmittal. Any changes or additions to the location of the building, sidewalks, parking/pavement during construction will require a new CAD file.

FIRE**Note****Comment Date:** 03/09/2018

The bleachers shall comply with ICC 300.

ZONING**Supplement Accepted****Comment Date:** 03/19/2018

Provide a Landscape plan stamped and signed by a Registered Landscape Architect.

Supplement Accepted**Comment Date:** 03/19/2018

Provide a compliance date with all elements of the approved site plan subject to 28.186(4)(b).



**Facilities Planning
& Management**
UNIVERSITY OF WISCONSIN-MADISON

February 28, 2018

Jenny Kirchgatter
City of Madison Planning
126 S. Hamilton Street
Madison, WI 53710

**RE: PERMITTED USE SITE PLAN SUBMITTAL: NIELSEN OUTDOOR TENNIS COURT
EXPANSION – 1000 HIGHLAND AVENUE – UNIVERSITY OF WISCONSIN-MADISON**

Dear Jenny,

The following Permitted Use Site Plan submittal materials are for the Nielsen Outdoor Tennis Court Expansion project located at 1000 Highland Avenue on the University of Wisconsin-Madison campus. This project involves the replacement of all surfacing and fencing of the existing facilities. The project will add two additional courts and supporting fencing, seating, lighting, landscaping, and sound system. The existing Class of 1918 Marsh and associated wetland designated areas will not be impacted by this project. The project is a Permitted Use per C-I section (MGO 28.097(3)) as indoor and outdoor sports and recreational facilities. The anticipated schedule is as follows:

Anticipated Project Schedule:

Permitted Use Application Submittal
Joint West Campus Area Committee – ACTION*
Bld Documents Advertised
Bids Received
Begin Construction
Substantial Completion

February 28, 2018
March 21, 2018
March 30, 2018
June 8, 2018
June 8, 2018
August 31, 2018

Land Use Application Materials:

- 1 copy – Cover Letter (this document)
- 1 copy – Permitted Use Site Plan Application Application
- 7 sets – 24"x36" drawings
- 14 sets – 11"x17" drawings, including light fixture out sheets
- 1 PDF – Emailed to zoning@cityofmadison.com

*We are submitting plans prior to receiving a recommendation from the Joint West Campus Area Committee (JWCAC) to ensure adequate city staff time review. JWCAC was given an informational presentation on the project on September 27, 2017. We anticipate if there are any recommended changes they would be specific to the operational aspects of lighting levels and noise amplification, both of which do not impact the physical layout of the plans submitted herein.

Division of Facilities Planning & Management, University of Wisconsin-Madison
30 N. Mills Street, 4th Floor Madison, Wisconsin 53715
608-263-3000 fpm.wisc.edu

Project Participants:

Owner: State of Wisconsin
Agency: University of Wisconsin System
Board of Regents
Room 1860 Van Hise Hall
1220 Linden Drive
Madison, Wisconsin 53706

Owner's Contact: University of Wisconsin - Madison
Facilities Planning & Management
30 N. Mills Street, 4th Floor
Madison, Wisconsin 53715

Attn: Gary Brown
Phone: 608-263-3023
E-Mail: gary.brown@wisc.edu

Lead Consultant: Edge Consulting Engineers, Inc.
624 Water Street
Prairie du Sac, WI 53578

Attn: Arlen Ostreng, PE
Phone: 608-644-1449
E-Mail: aostreng@edgeconsult.com

Electrical Engineer: JDR Engineering, Inc.
5525 Nobel Drive, Suite 110
Madison, Wisconsin 53711

Attn: Mike Klubertanz
Phone: 608-277-1728
E-Mail: klubertanz@jdreng.com

~~Please~~ contact me at 608-263-3023 if you have any questions or need further information.

Thank you.

Gary A. Brown, PLA, FASLA
Director, Campus Planning & Landscape Architecture
Facilities Planning & Management, University of Wisconsin-Madison

cc: Aaron Williams, UW Zoning Coordinator
Matt Collins, UW Project Manager
District 5 Alder, Shiva Bidar-Sieff

Anderson, Patrick

From: Aaron Williams <aaron.williams@wisc.edu>
Sent: Monday, April 09, 2018 11:17 AM
To: Anderson, Patrick; Zellers, Benjamin; Bidar-Sielaff, Shiva
Cc: Kirchgatter, Jenny; MATT M COLLINS; GARY A BROWN; Brian Beaulieu; Arlen Ostreng
Subject: RE: UW-Madison - Permitted Use Application - Nielsen Outdoor Tennis Court Expansion - JOINT WEST UPDATE
Attachments: 18_0321-JWCAC-Minutes-NotApproved.pdf

Patrick, et al.,

On 3/5/18, the Nielsen Outdoor Tennis Court Expansion submittal letter stated that files were being provided ahead of an official recommendation from the Joint West Campus Area Committee (JWCAC). I'm reporting back that JWCAC has officially reviewed the materials and provided a recommendation of approval to city staff. I've attached the unapproved minutes from that meeting...I am currently working with Ben Zellers to understand how to approve these minutes from a 'dissolved' committee...as Joint West and Joint Southeast are now one committee, Joint Campus Area Committee. Either way, UW is committed to ensuring the comments are addressed. The committee requested the following items from the 3/21/18 meeting:

1. **Sound System:** The speaker system will be installed and will have its volume restricted by a master control system. This system will be used for music before match play, the national anthem, music at intermission, and announcement activities. The system just to the north of this site is used by UW Softball and is more amplified...there have been no complaints to date on this system. Upon system installation the contractor/provider, working with UW will review the determined volume setting and provide a revised Sound System Intensity Map showing dB levels. This map will show UW Hospital and the Village of Shorewood Hills along University Bay Drive. The sound levels will use the Village noise standards, as stated in the Village Code of Ordinance Chapter 21 as compliance reference.
2. **Lighting System:** There will be 10 light poles, each 60 feet tall, with directional LEDs to meet NCAA standards. The design allows a subset of courts to be lit. The master lighting control system will only allow use during specified times.

The in-progress City staff Site Plan Verification tracking is located here:

<https://crystal.cityofmadison.com/WebReports/adapter/XReport.aspx?env=Webaccess&export=true&exporttype=5&reportName=/Webaccess/SitePlanVerificationCombo.rpt&AltID=LNDSPPR-2018-00018&Revision%20Number=9999>.

Let me know if you have any questions.

Aaron Williams, PLA, ASLA

Assistant Campus Planner & Zoning Coordinator
Campus Planning & Landscape Architecture

University of Wisconsin-Madison
Facilities Planning & Management
30 N. Mills Street, 4th Floor
Madison, Wisconsin 53715-1211

D: 608-890-4202

aaron.williams@wisc.edu

From: Aaron Williams

Sent: Monday, March 05, 2018 4:37 PM

To: 'zoning@cityofmadison.com' <zoning@cityofmadison.com>

Cc: 'Kirchgatter, Jenny' <JKirchgatter@cityofmadison.com>; MATT M COLLINS <matt.collins@wisc.edu>; Gary Brown - FP&M (Gary.Brown@wisc.edu) <Gary.Brown@wisc.edu>; 'Brian Beaulieu' <bbeaulieu@edgeconsult.com>

Subject: UW-Madison - Permitted Use Application - Nielsen Outdoor Tennis Court Expansion

Jenny,

Please find the attached digital files to supplemental the hard copy application for the UW-Madison Nielsen Outdoor Tennis Court Expansion project located at 1000 Highland Avenue. The hard copies will be dropped off on the morning of 3/6/18. Please confirm submission of these materials as they are over 10MB in size.

Thank you,

Aaron Williams, PLA, ASLA

Assistant Campus Planner & Zoning Coordinator
Campus Planning & Landscape Architecture

University of Wisconsin-Madison
Facilities Planning & Management
30 N. Mills Street, 4th Floor
Madison, Wisconsin 53715-1211

D: 608-890-4202

aaron.williams@wisc.edu



City of Madison

City of Madison
Madison, WI 53703
www.cityofmadison.com

Meeting Minutes - Draft JOINT WEST CAMPUS AREA COMMITTEE

Wednesday, March 21, 2018

4:45 PM

WARF Bldg., Room 132
610 Walnut Street

CALL TO ORDER / ROLL CALL

Co-chair Kennedy called the meeting to order at 4:45 pm.

Present: 16 - Sara Eskrich; Susan M. De Vos; Mary Czyszczak-Lyne; Julia Billingham; Douglas K. Carlson; Leslie G. Orrantia; Gary A. Brown; Rob Kennedy; Mark C. Wells; Liz Douglas; Lisa M. Reese; Emmet J. Gaffney; Karl Frantz; John R. Imes; Felice Borisy-Rudin and Ulrike Dieterle

Absent: 3 - Arvina Martin; Stephanie G. Jones and Sharon Devenish

Excused: 3 - Shiva Bidar-Sielaff; Melissa M. Berger and Kelly Ignatoski

APPROVAL OF MINUTES

Moved by Czyszczak-Lyne, seconded by Imes, to approve the minutes of February 28, 2018. Motion approved unanimously by voice vote.

PUBLIC COMMENT

None.

DISCLOSURES AND RECUSALS

Carlson stated that he serves on the board of a local youth hockey organization that uses ice time at the Shell and may look to use ice time at the Natatorium replacement.

1 LOCAL AGENCY UPDATES

- University of Wisconsin-Madison (Brown)
 - Babcock Dairy Plant and Center for Dairy Research Addition: Out for bid this month.
 - Meat Science and Muscle Biology Lab: Project is on schedule.
 - UW Houses Renovations: No updates.
 - Lot 62 Parking Structure: Moving forward with AE design.
 - Vet Med Addition: Continues to be on capitol budget request.
 - WIMR West Wedge Addition: Project starts in April
 - Camp Randall South End Zone Seating: Part of 2019-2021 capital budget request.
 - UW Fieldhouse Exterior Renovations: Part of 2019-2021 capital budget request.

**JOINT WEST CAMPUS AREA
COMMITTEE****Meeting Minutes - Draft****March 21, 2018**

- UW Fieldhouse South Plaza/Streetscape: Part of 2019-2021 capital budget request.
- School of Medicine & Public Health Space Plan: No updates.
- Village of Shorewood Hills (Imes)
 - Continuing to explore opportunities to complete Marshall Court bike path this year to connect existing Campus Drive Path with the Village's Post Farm Park Path.
- City of Madison (Eskrich)
 - Monroe Street reconstruction has started, and will continue through November. People can sign up for updates with merchants and with City Engineering.
 - 222 N Charter St. project was placed on file without prejudice. (Brown)

2 NEIGHBORHOOD ASSOCIATION UPDATES

- Regent (Czynszak-Lyne)
 - Neighborhood has seen increased traffic with Monroe Street construction.
 - A new restaurant has been proposed on Allen St.
 - The Midtown Police Station coming along nicely on Mineral Point Road.
- Sunset Village (Dieterle)
 - There will be street resurfacing on Blackhawk, Bruce Court, and Heather Crest starting on May 21st, running through October. Speedbumps are being added on Blackhawk.
- Vilas (Carlson)
 - A new neighborhood association president was elected: Samip Kothari.
 - The new Associated Bank project is due to be complete in a month or two.
 - Monroe Street Merchants Association is offering coupons: \$10 for \$300 in savings at various businesses. The coupons can be used between 4/1 to 10/31. (Imes)
- Greenbush (Eskrich)
 - The Economic Development Division is organizing a Park Street and Regent Street Business Walk on April 18th.
 - Lucky's 1313 is applying for a conditional use permit for volleyball.
- Dudgeon-Monroe (Billingham)
 - There will still be Jazz in the Park despite the reconstruction of Monroe.
 - The neighborhood's annual meeting is in mid-April.
 - The neighborhood is working with the City to purchase and donate benches to place by bus stops.

3 PRESENTATION: NIELSEN TENNIS COURT OUTDOOR EXPANSION

- Brian Bollier - Edge Consulting Engineers and Jason King - UW Athletics presented.
- The presenters summarized existing conditions. There will be no construction in the environmental corridor.
 - The project is adding two outdoor courts, for a total of eight, and will also add elevated bleachers, a sound system, lighting, and scoreboards.
 - There will be 10 light poles, each 60 feet tall, with directional LEDs to meet NCAA standards. The design allows a subset of courts to be lit. The master lighting control system will only allow use during specified times.
 - Middle courts will be primary courts, outer courts for will be for overflow use.
 - A speaker system will be installed - its use and volume will be restricted by a master control system, similar to the lighting system.
 - Borisy-Rudin asked about Village's maximum night sound volume. Frantz said he

JOINT WEST CAMPUS AREA
COMMITTEE

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thinks it is 40db. Bollier said that control system will be set to only allow below the maximum. King said that there will be music before match, playing of the national anthem, no music during matches, music at intermission, and a winner will be announced after the match. Speaker use will be very different than Camp Randall. Frantz said that we want to avoid a violation - it can be a pain to measure sound and address the problem. King said that softball is nearby, and it uses more amplified sound than tennis, and there have been no complaints. Douglas asked if the sound map could you show the area to the south - the hospital's neonatal unit is to the south. Imes asked about whether sound amplification is used now for tennis matches. King said yes - there is a temporary system. Borisy-Rudin asked about whether the expected, rather than the maximum, range could be mapped, as well as integrating existing sound sources.

- Additional evergreen trees will be added along the west side of the courts. Imes said that large caliper trees would be good to help block noise.
- Speakers will be on the center three polls of the south side, facing north.
- Wells said that he agrees with Frantz regarding sound - no one wants a problem.
- Czyszczak-Lyne asked about bathroom facilities. Bollier said that existing facilities at Nielson and Goodman will be used. If a capacity crowd is expected, portable restrooms will be brought in.
- Douglas asked about parking. King said that it would be the same setup as right now. Most events are Friday through Sunday.
- Frantz asked if the UW could test the system at installation and do noise measurements.
- King said primary use is March-April-mid-May.
- Brown asked about summer camps. King said they would be conducted as they have been in the past.

Moved by Czyszczak-Lyne, seconded by Carlson, to recommend approval to staff.

Motion by Imes, seconded by Wells, to amend the motion to recommend testing the sound system's capped maximum volume once the system is installed.

Both motions approved unanimously by voice vote.

4 INFORMATIONAL PRESENTATION: GYMNASIUM/NATATORIUM BUILDING REPLACEMENT FEASIBILITY STUDY

Presentation by John Horn and Mike Warren, UW Recreational Sports.

- Warren summarized UW rec sports services and customers.
- 87% of students voted to increase fees to fund implementation of rec sports master plan.
- A \$20 million donor has been secured for the project.
- The current facility is outdated and overcrowded. It was built in 1964 and has no air conditioning and extensive deferred maintenance.
- Athletics will be taking control of the Shell - Rec Sports is looking to integrate more services at the Natatorium's replacement facility.
- #1 student demand was more fitness space.
- A \$138m large model and \$108m small model have been diagrammed. The small model will be designed. That will meet the budget that was originally approved by the students.
- The new facility will double square footage from current Nat.
- The new building includes a new "wellness suite," including mental health.
- The project will likely be two-phase - Kinesiology does not currently have funding

JOINT WEST CAMPUS AREA
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for their portion.

- The building will likely be set back further from the street than the current structure.
- There will be more glass; possibilities of lake views.
- Students will serve on the design team for the project.
- Czyszak-Lyne asked about bird-friendly design. Warren said that will be part of future design.
- Dieterle asked about buildings shown across the street in the conceptual rendering. Kennedy said that the buildings shown are part of the Campus Master Plan.
- Dieterle asked about Kinesiology - will the location continue to be their home? Warren said that the hope is their fundraising will come through and they can be part of the facility.
- Borisy-Rudin asked about traffic, with trying to take on Shell use at this location. Warren said there will be more members. The planned parking ramp will help accommodate people who drive to the facility. Kennedy said the new Lot 62 ramp will increase available parking. The increased traffic from closing the Shell will be negligible the vehicular level of service on Observatory Drive is OK. Warren said that 85% of users are students, and almost all of them bike or take the bus. Brown said that the parking ramp design will come back to the committee, and the City is requiring a TIA for that project.
- Borisy-Rudin asked about building security. Horn said UWPd will be part of design team. Warren said facility will be card-accessed. Horn said a structural engineer will be a part of the team to ensure the integrity of the building.
- Borisy-Rudin asked about whether a green roof will be considered. Warren said that has been discussed with students - that will be part of the conversation, but is not yet decided. Horn said unique sustainability features are being explored beyond green roofs, such as complimentary ice rink-pool heating/cooling measures. Green features will be an integral part of the future design.
- Carlson asked about square footage. Horn said the current Nat is about 83,000 sq. ft. and the new building is double that. Shell is 103,000. The future Nat will have more efficient use of space as well. When the project moves to final design some predesign circulation space will be converted to usable space.
- Dieterle asked about how space will be broken up and how that will be done to ensure sound doesn't spill over from one use to another. Warren said that noise isolation will be an important part of the design.
- Douglas asked about donations. Horn said a lead donor has pledged \$20m. There will be other donors as well.
- Carlson asked about to what extent Kinesiology needs to be involved; what happens if that part doesn't get built? Warren said that the design will progress with flexibility in mind.
- Imes asked about swimming and diving. Warren said that is going to The Nick on Dayton. The pool in the new Nat is for rec sports only.
- Carlson said that there are a lot of outside users of the facilities. At what point in the process might outside user input be considered? Horn said that will mirror the Nicholas project's process. Gathering of feedback from users will start in the schematic design process. All of that will be done before the 10% design milestone.
- Dieterle asked scheduled about when the existing building will be demolished. Horn said that the earliest is summer of 2020, when the Nicholas facility opens. An 18-24 month construction process is anticipated.

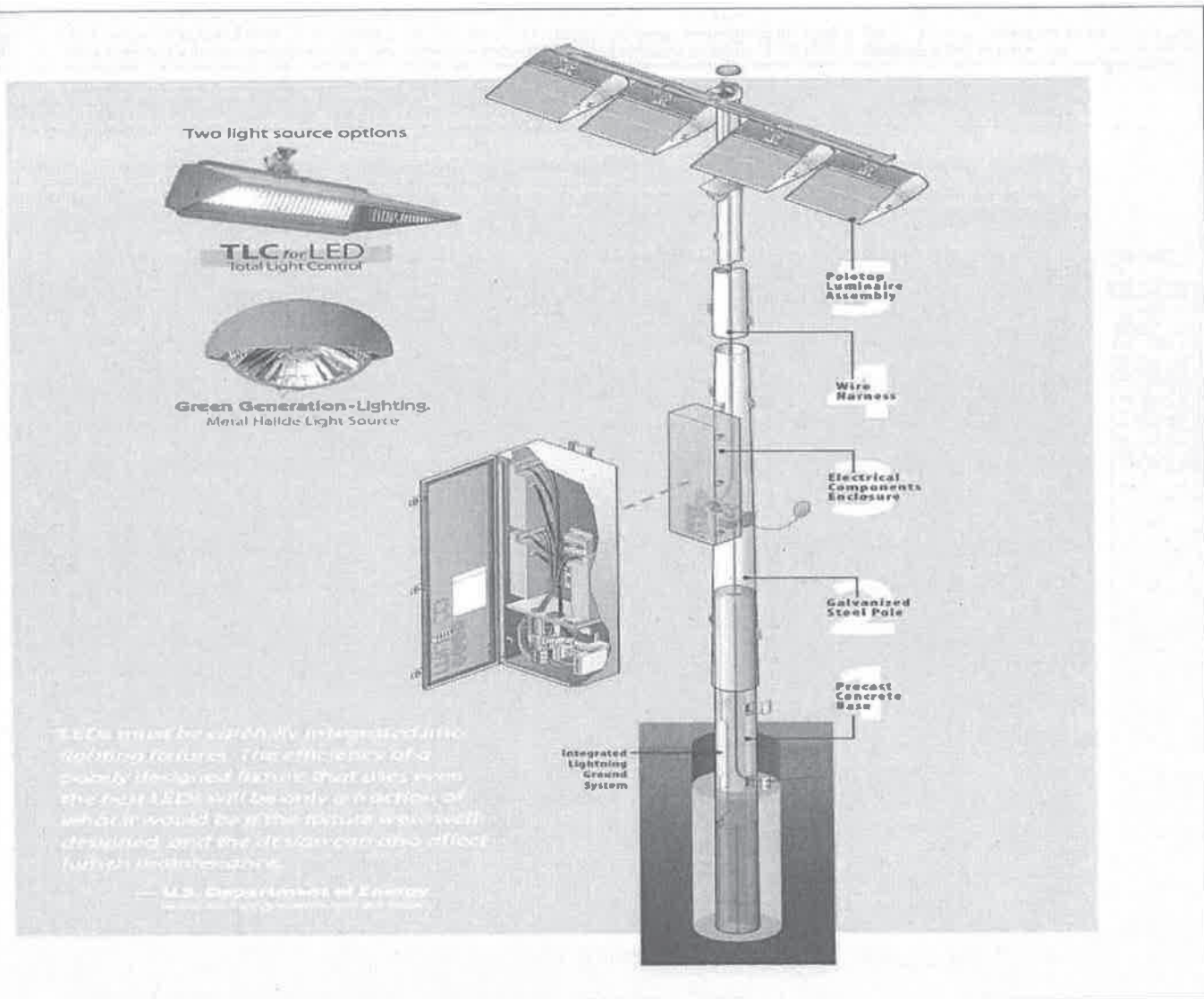
JOINT WEST CAMPUS AREA
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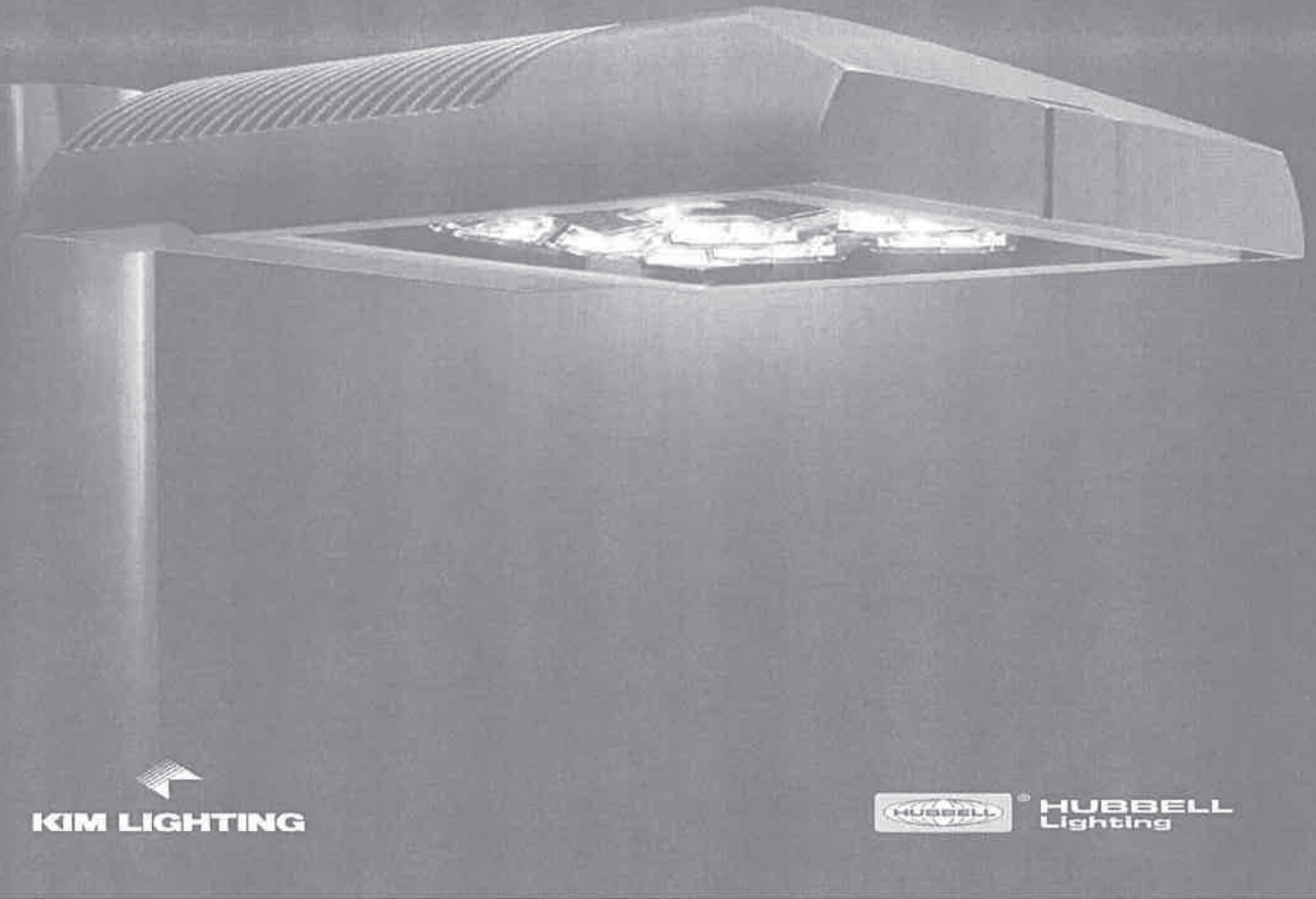
March 21, 2018

ADJOURNMENT

Moved by Brown, seconded by Carlson, to adjourn. The motion passed unanimously by voice vote, and the meeting adjourned at 6:23 pm.



The Archetype[®] LED with PicoPrism[™] Optics




KIM LIGHTING

 **HUBBELL**
Lighting



The Archetype®, Huntington Beach, CA

The Archetype® LED

Now up to 16,400 Lumens, a 110% Performance Increase!

The eclectic shape of The Archetype readily adapts to and universally complements contemporary architectural design. And as modern architecture adapts, so has The Archetype. Powered by Kim's revolutionary patented PicoPrism® optical system, this versatile luminaire delivers over 16,000 lumens in a powerful, yet energy efficient site lighting solution. The Archetype LED luminaire family utilizes the latest solid-state advancements to deliver the maximum level of output with minimal energy consumption for a outdoor lighting solution.

Performance

Constructed to IP66 standards, each PicoPrism optical module works seamlessly together to deliver uniform illumination in multiple distributions and in a variety of color temperatures. Ideal for applications where light trespass and energy conservation is critical, PicoPrism optics allow for incredible versatility, tight cutoffs and flexible control to make sure the light goes where you need it. With high power performance of over 16,000 lumens, The Archetype employs our exclusive Lifeshield™ thermal protection system and surge suppression, ensuring a highly reliable LED system that can withstand operations in a variety of environments.

Versatility

Available in two sizes and a variety of mounting configurations, the Archetype LED provides an ideal solution for both new and retrofit installations. For existing HID sources, a versatile field upgrade kit enables a simple conversion to LED.

- Two sizes
- Rotatable EmitterDeck®
- Pole and wall mount configurations
- PicoPrism optical system
- Significant performance increase (110%, or up to 16,000 lumen output)
- 350mA and 700mA current
- Constructed to rigid IP66 standards
- Available in standard IES distributions (Type I, II, III, IV, V, R, L, and custom)
- 3000K, 4200K, and 5100K CCT
- Meets California Title 24 and ASHRAE regulations for energy efficiency
- Neighbor-friendly optic, factory or field installable
- Field upgrade kits available for existing Archetype installations

The Archetype LED not only adapts into any architectural environment but also delivers a performance solution.

This is LED site lighting perfection. This is Kim Lighting.



Kim's PicoPrism LED Upgrade Kit installs in just minutes via the easily accessible fixture housing and driver compartment.



PicoPrism module delivers significantly increased performance.



PicoPrism module with NFO Neighbor-Friendly Optic.



16555 East Gale Avenue • City of Industry, CA 91745 • Phone: 626.968.5666 • Fax: 626.369.2695 • www.kimlighting.com

US Patent Numbers 6,572,739 and 6,810,440. As a result of continuous product development programs, Kim Lighting reserves the right to change specifications without notice. Entire contents © Copyright 2013 Kim Lighting Inc. All rights reserved. Reproduction in whole or in part without permission (in writing) is prohibited. Printed in USA.



SAR
The Archetype® Small PicoPrism LED
kl_sarpled_spec.pdf

JOB
NOTES

TYPE
APPROVALS

FEATURES

- PicoPrism® technology¹
- Full upright cutoff
- Available in 580nm 3000K, 4000K and 5000K standard CCT

- Type 1, 2, 3, 4, 5, R, L standard distributions
- 0-10V dimming drivers standard
- IP66 certified

Certifications



3000K and warmer CCTs only

SPECIFICATIONS



Approx. Weight = 30 lbs. EPA .070 for 15A.
See configuration for Additional EPAs.



ORDERING CODE

Configuration	EPA	Fixture	Source	Electrical Module	Fixture Finish	Photocell Options
15A 1 Arm Side Mt.	0.70	Distribution	Drive Current	Color Temperature²	Black	A25-7 7-pin Photocell Receptacle
25B 2 Arm Side Mt.	1.40	SAR1 Type I	P35 350mA PicoPrism	2K 590nm³	DB Dark Bronze	A30 120V Button Photocell
25L 2 Arm Side Mt.	1.30	SAR2 Type II	P70 700mA PicoPrism	3K 3000K	GT Graphite	A31 208V Button Photocell
35T 3 Arm Side Mt.	1.90	SAR3 Type III	40L 40W for 350mA	4K 4000K	LG Light Gray	A32 240V Button Photocell
35Y* 3 Arm Side Mt.	1.90	SAR4 Type IV	93W for 700mA	5K 5000K	PS Platinum Silver	A33 277V Button Photocell
45C 4 Arm Side Mt.	2.90	SAR5 Type V			TT Titanium	A34 480V Button Photocell
1TW Single Wall Mt.	n/a	SARR Type R, Right			WH White	A35 347V Button Photocell
HSF Horiz. Splitter	n/a	SARL Type L, Left			CC Custom Color*	

*Available round poles only. EPA is for fixture only.

Fixture Options
SF 120, 277, 347 Line Volts
DF 208, 240, 480 Line Volts

NFO Options
NFO Neighbor Friendly Optic*
*Photometry available for Type III/IV. All others, consult factory.

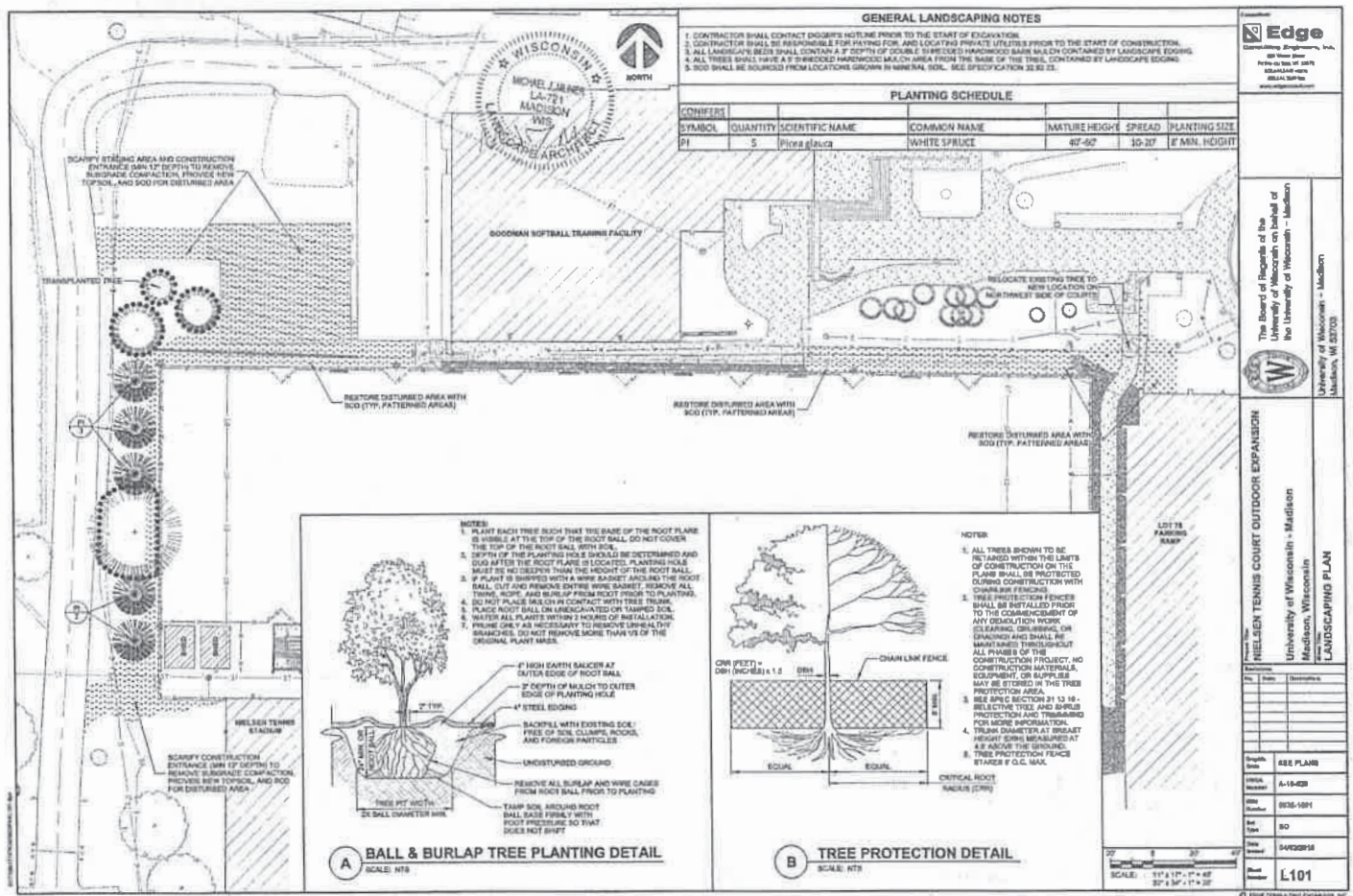
Controls
Wireless
WIR-RMI-IO 120-347V, 1000' range, Wi-Scape RF mesh control system with off/on/dim, motion, photo, GPS location, alert, monitoring and metering capabilities
Motion
SCL-R Round Pole Mounted Occupancy Sensor up to 16'
SCL-S Square Pole Mounted Occupancy Sensor up to 16'
SCH-R Round Pole Mounted Occupancy Sensor 16' to 30'
SCH-S Square Pole Mounted Occupancy Sensor 16' to 30'

Mounting Options
VSF Vertical Splitter Mount for 2" pipe tenon, (2-3/8" O.D.)
SVSF Vertical Splitter Mount square for 2" pipe tenon, (2-3/8" O.D.)
Side Arm Mount
3 3" O.D. Pole
3.5 3.5" O.D. Pole
4 4" O.D. Pole
5 5" O.D. Pole
6 6" O.D. Pole
SQ Square Pole

For Pole Spec Select: http://www.kimlighting.com/products/arms_and_poles/
For Control Spec Select: <http://trpsl.com/index.html>

- ¹ US Patent No. D674,065 S. Other patents pending.
- ² For custom optics and color temperature configurations, contact factory.
- ³ Turtle friendly. Maximum 500mA drive current for 2K Amber option.
- ⁴ 347V & 480V currents may be supplied with step-down transformer.
- ⁵ 350mA only.

Kim Lighting reserves the right to change specifications without notice.



NIELSEN TENNIS COURT OUTDOOR EXPANSION **UNIVERSITY OF WISCONSIN - MADISON** **MADISON, WISCONSIN**

MSN NO.: 0038-1601
UWSA NO.: A-16-020



SITE LOCATION



SITE LOCATION MAP
SCALE: NTS

PROJECT DIRECTORY:

CIVIL ENGINEER:
 EDGE CONSULTING ENGINEERS, INC.
 854 WATER STREET
 PRASKE DU SAC, WI 53593
 CONTACT: BRIAN BRADSHAW
 PHONE: (608) 444-1446

ELECTRICAL ENGINEER:
 JON ECKHARTS, INC.
 853 HOWEL DRIVE, SUITE 119
 MADISON, WI 53711
 CONTACT: ANDREW WALTON
 PHONE: (608) 277-1775

PROJECT MANAGER:
 UWMADISON
 FACILITIES PLANNING & MANAGEMENT
 28 N. MILES STREET
 MADISON, WI 53715
 CONTACT: MATT COLLINS
 PHONE: (608) 263-3851

PROJECT INFO:

STW LOCATION:
 NIELSEN TENNIS STADIUM
 1800 HIGHLAND AVENUE
 MADISON, WI 53706

SHEET INDEX:

NO. PAGE TITLE

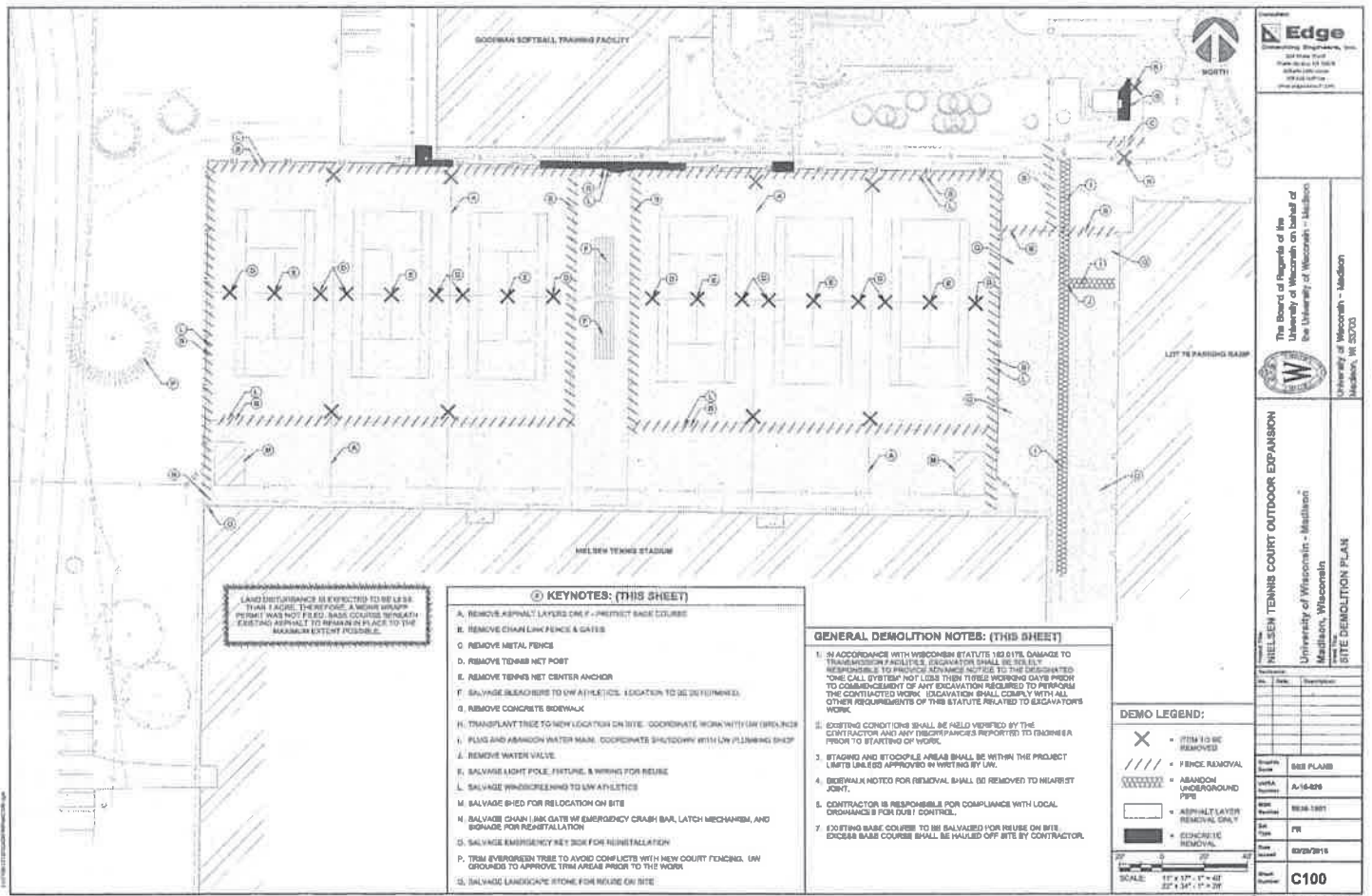
T000	COVER SHEET
V101	EXISTING SITE SURVEY
C100	SITE DEMOLITION PLAN
C101	PROJECT AREA OVERVIEW
C102	SITE PLAN
C103	SITE LAYOUT PLAN
C104	GRADING & EROSION CONTROL PLAN
C105	PATH LIGHTING PHOTOMETRIC PLAN
C106	SIGNAGE & FURNISHINGS PLAN
C201	OVERALL UTILITY PLAN
C202	UTILITY PLAN AND PROFILE
C501-5	SITE DETAILS
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E000	SYMBOLS, ABBREVIATIONS, SCHEDULES - ELECTRICAL
E101	OUTDOOR COURTS UNDERGROUND - ELECTRICAL
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E203	NIELSEN PARTIAL FLOOR PLANS - ELECTRICAL
E601	ONE LINE DIAGRAMS - POWER
E602	ONE LINE DIAGRAMS - SYSTEMS
E800	PANEL SCHEDULES - ELECTRICAL

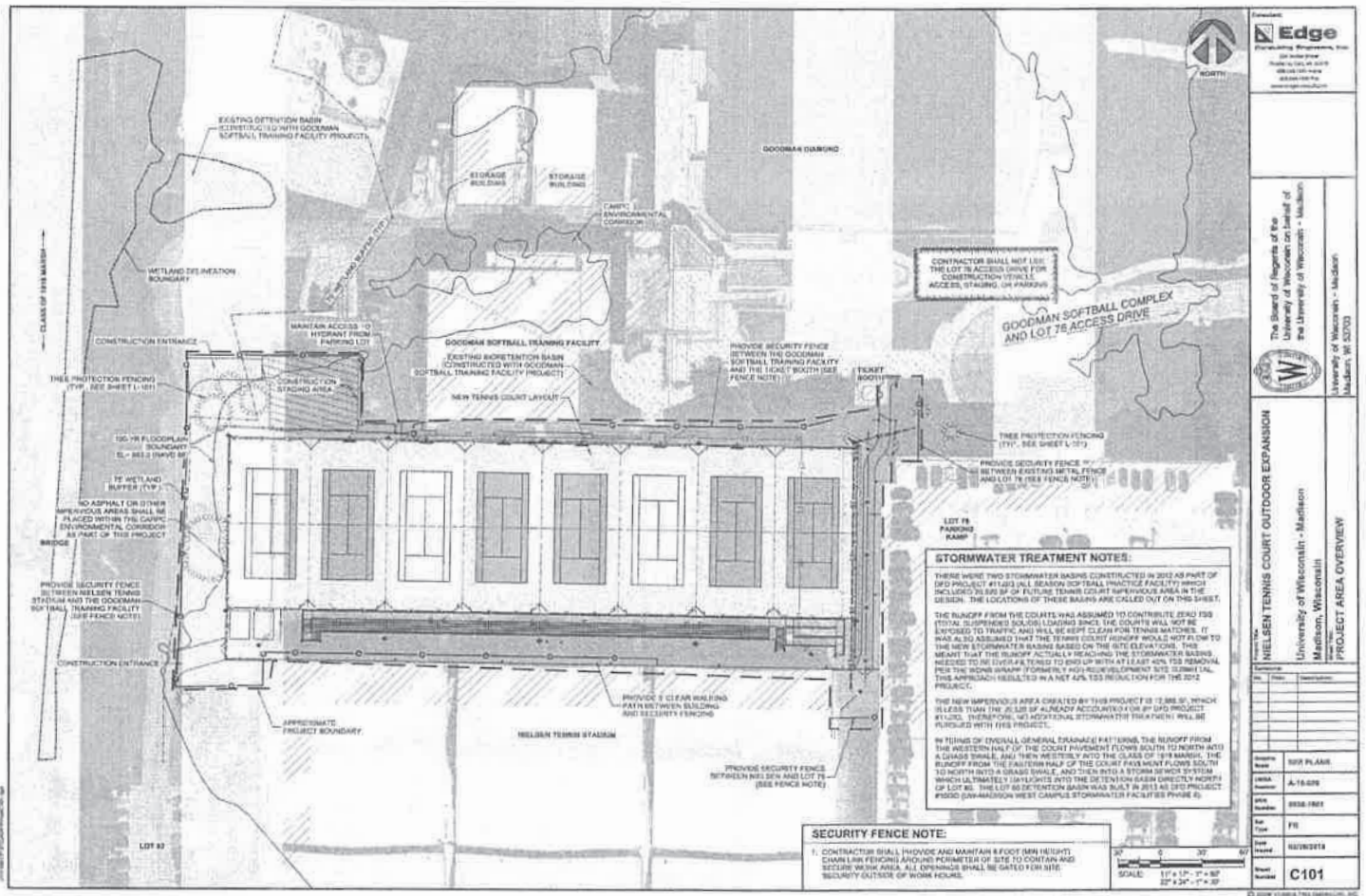


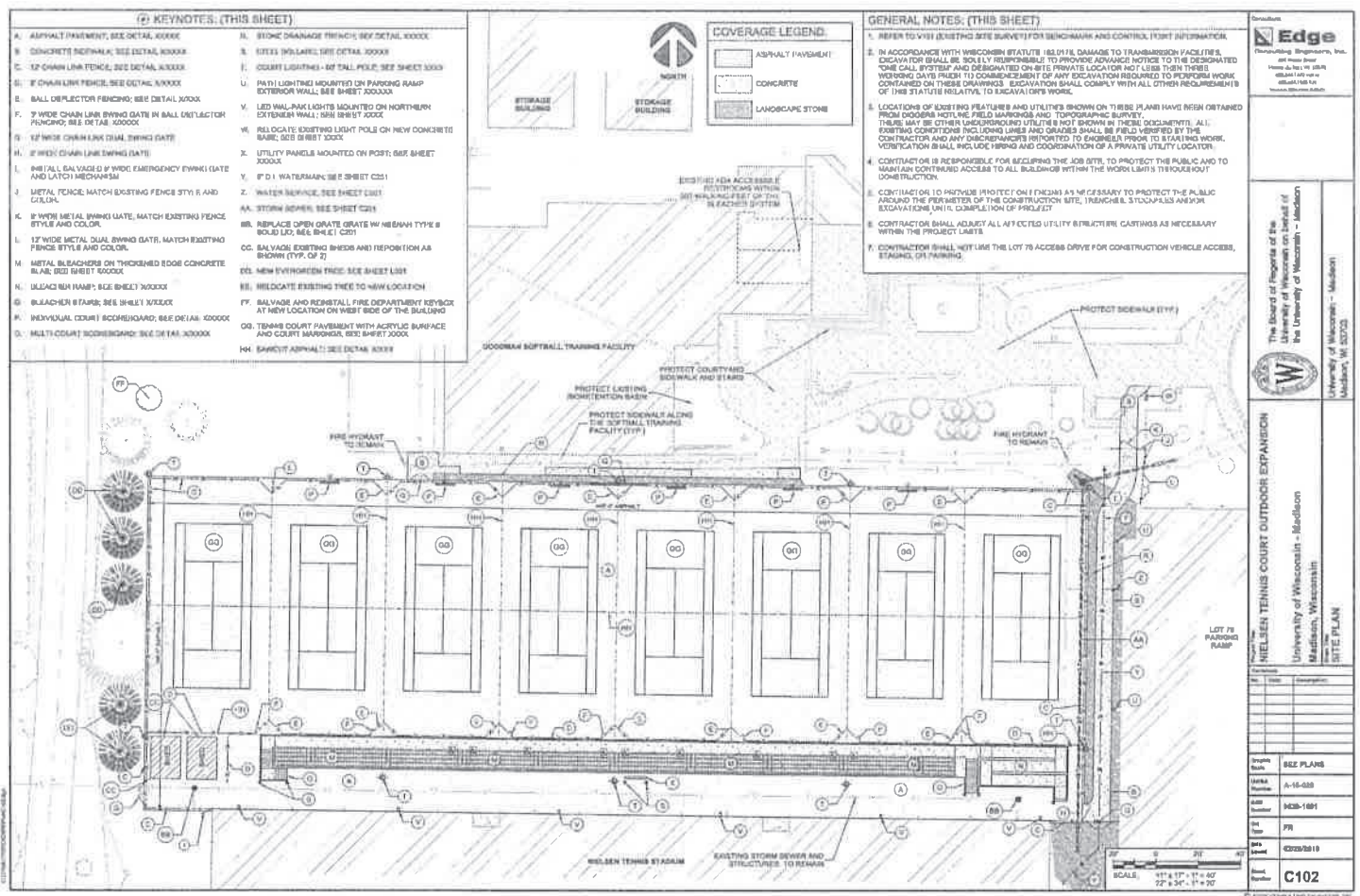
NIELSEN TENNIS COURT OUTDOOR EXPANSION
 University of Wisconsin - Madison
 Madison, Wisconsin
 COVER SHEET

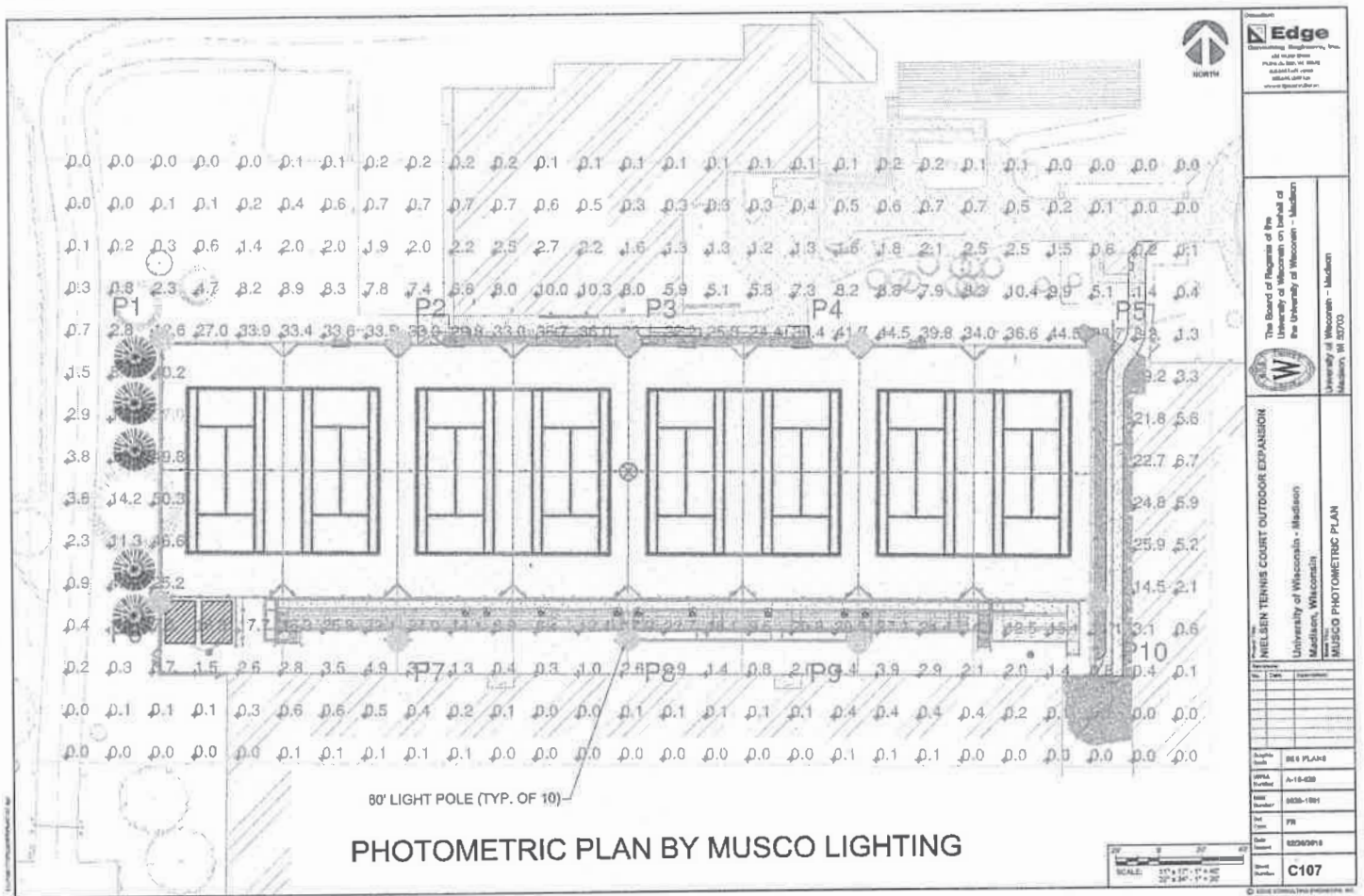
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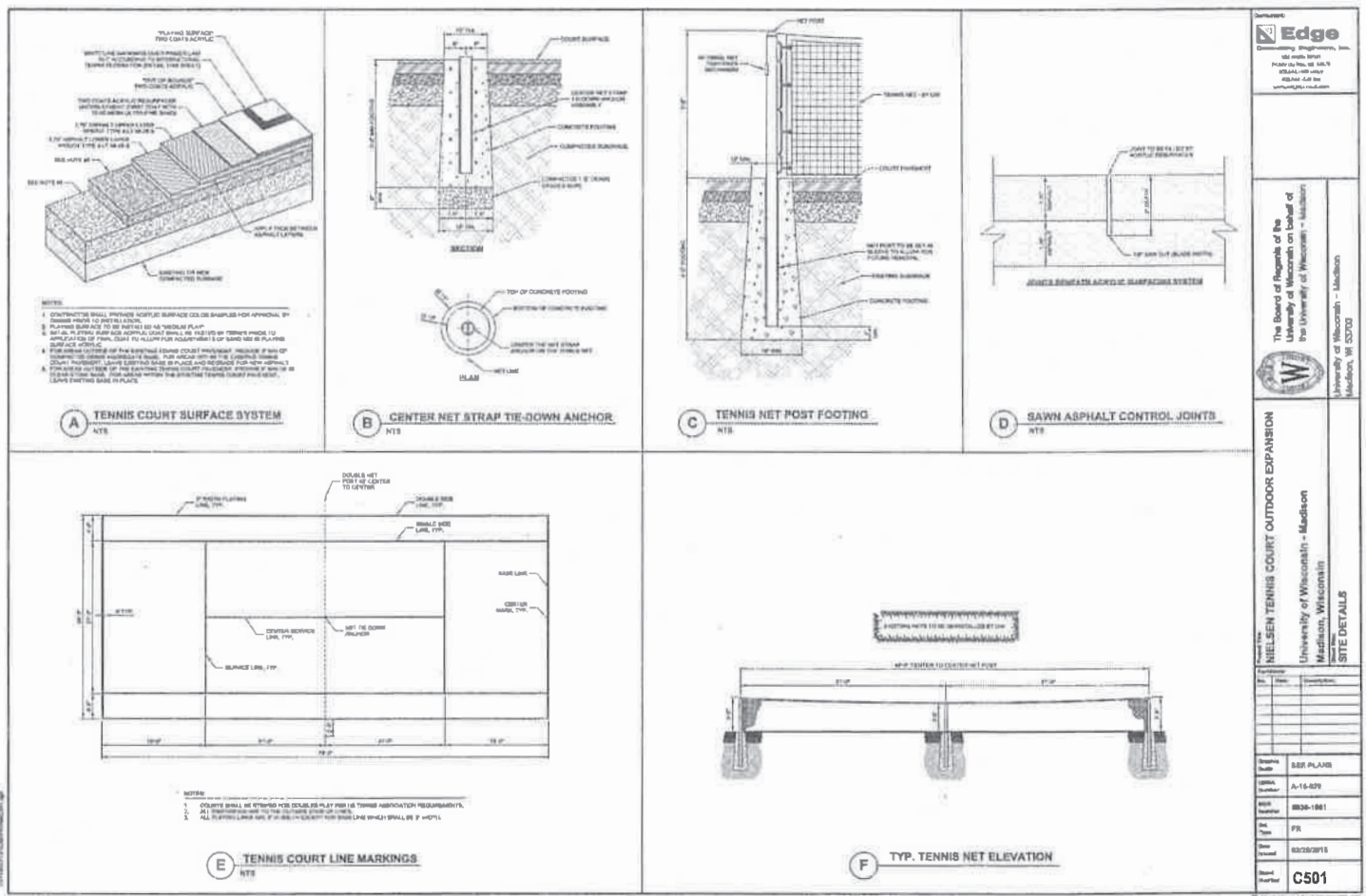
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CONCRETE SIDEWALK SECTION
SCALE: NTS

COURT BASE SYSTEM DETAIL

C ROCK TRENCH DETAIL

D TYP. CHAIN LINK FENCE ELEVATION DETAIL
SCALE: NTS

E BALL DEFLECTOR FENCE DETAIL
SCALE: NTS

[illegible]

